

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

Please add the following new paragraph to page 5, after the third full paragraph beginning at line 12, and before the fourth full paragraph beginning at line 15:

FIG. 6A is a diagram illustrating an embodiment wherein the CDMA channel is frequency hopped based on a scrambled subset of the information bits to be transmitted using a bank of up converters;

Please replace the last full paragraph beginning on page 11, line 30 and commencing on page 12, line 7 with the following amended paragraph:

FIG. 6 illustrates an alternative embodiment of the present invention, wherein the CDMA channels change frequency in accordance with a subset of the information bits to be transmitted. The information data to be transmitted is provided to multiplexer (MUX) 250, which provides a subset of bits for selecting the center frequency on a first output and the remaining bits to be transmitted to a second output. In one embodiment, the information bits are used to select the frequency for transmission. However, the packetized bits from CRC generator 252 or the encoded symbols from convolutional encoder 254 can be used to select the upconversion frequency. The subset of information bits used to select the upconversion frequency are provided to control processor 266. In accordance with the subset of information bits, control processor 266 generates a command signal to switch 264. In order to provide randomization of the transmitted frequency, a preferred embodiment would scramble the subset of information bits provided to control processor 266. Such scrambling provides makes the transmitted frequency random. In a preferred embodiment, a subset of the bits from PN generator 262 is used to scramble the bits supplied to control processor 266 as shown in FIG. 6A.